



PATENT
Docket No. 265.00230101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Stanton et al.)	Group Art Unit:	1647
)		
Serial No.: 09/641,801)	Examiner:	Christopher Nichols
Confirmation No.: 5388)		
)		
Filed: August 17, 2000)		
)		
For:			
USE OF COLOSTRININ, CONSTITUENT PEPTIDES THEREOF, AND ANALOGS THEREOF FOR INDUCING CYTOKINES			

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application. Per M.P.E.P. § 609, the information cited in the present Supplemental Information Disclosure Statement shall not be construed to be an admission that the information is, or is considered to be, material to patentability. Consideration of each of the documents listed on the attached 1449 forms is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicants further request that a copy of the 1449 forms, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Since this Supplemental Information Disclosure Statement is submitted after the receipt of an Office Action in the above-identified patent application, please charge Deposit Account No. 13-4895 the fee of \$180 under 37 C.F.R. §§1.97(c) and 1.17(p). Please charge any additional fees or credit any overpayment to Deposit Account No. 13-4895.



Supplemental Information Disclosure Statement

Page 2 of 2

Applicant(s): Stanton et al.

Serial No.: 09/641,801

Confirmation No.: 5388

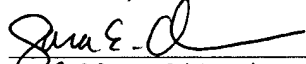
Filed: August 17, 2000

For: USE OF COLOSTRININ, CONSTITUENT PEPTIDES THEREOF, AND ANALOGS THEREOF FOR INDUCING CYTOKINES

The Examiner is invited to contact Applicants' Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

CERTIFICATE UNDER 37 C.F.R. 1.10:

The undersigned hereby certifies that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated below and is addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


SARA E. OLSON

"Express Mail" mailing label number:

EV 201890414 US

Date of Deposit: July 28, 2004

Respectfully submitted for

Stanton et al.

By

Muetting, Raasch & Gebhardt, P.A.

P.O. Box 581415

Minneapolis, MN 55458-1415

Phone: (612)305-1220

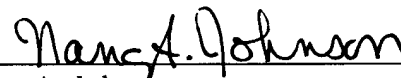
Facsimile: (612)305-1228

Customer Number 26813

July 28, 2004

Date

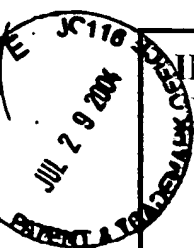
By:



Nancy A. Johnson

Reg. No. 47,266

Direct Dial (612)305-4723



INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 265.00230101	Serial No.: 09/641,801
	Applicant(s): Stanton et al.	Confirmation No.: 5388
	Application Filing Date: August 17, 2000	Group: 1647
	Information Disclosure Statement mailed: July <u>28</u> , 2004	

U.S. PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	X	6,040,180	03/21/00	Johe			

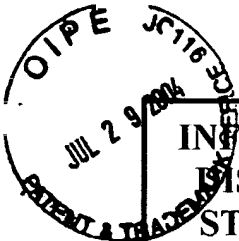
FOREIGN PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	X	WO 95/00155	01/05/95	PCT				
	X	WO 03/33423	10/22/03	PCT				

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Copy Enclosed	Document Description
	X	Boldogh et al., "Modulation of 4HNE-Mediated Signaling by proline-rich peptides from Ovine Colostrum," <i>J Mol Neuroscience</i> , May 2003;20(2): 125-134.
	X	Brown et al., "7-Hydroperoxycholesterol and its products in oxidized low density lipoprotein and human atherosclerotic plaque," <i>J. Lipid Res</i> , 1997;38: 1730-1745.
	X	Bruce-Keller et al., "4-Hydroxynonenal, a product of lipid peroxidation, damages cholinergic neurons and impairs visuospatial memory in rats," <i>J Neuropathol Exp Neurol</i> , 1998;57: 257-267.
	X	Buettner, G.R., "The pecking order of free radicals and antioxidants: lipid peroxidation, alpha-tocopherol, and ascorbate," <i>Arch Biochem Biophys</i> , 1993;300: 535-543.
	X	Cadenas et al., "Mitochondrial free radical generation, oxidative stress, and aging," <i>Free Radic Biol Med</i> , 2000;29:222-230.
	X	Camandola et al., "The lipid peroxidation product 4-hydroxy-2,3-nonenal inhibits constitutive and inducible activity of nuclear factor kappa B in neurons," <i>Brain Res Mol Brain Res</i> , 2000;85:53-60.
	X	Cheng et al., "Effects on mGST A4 transfection on 4-hydroxynonenal-mediated apoptosis and differentiation of K562 human erythroleukemia cells," <i>Arch Biochem Biophys</i> , 1999;372: 29-36.

EXAMINER	Date Considered
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

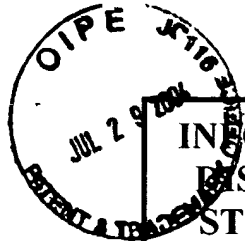


INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 265.00230101	Serial No.: 09/641,801
	Applicant(s): Stanton et al.	Confirmation No.: 5388
	Application Filing Date: August 17, 2000	Group: 1647
	Information Disclosure Statement mailed: July <u>20</u> , 2004	

Examiner Initial	Copy Enclosed	Document Description
	X	Davies et al., "Photo-oxidation of proteins and its role in cataractogenesis," <i>J. Photochem. Photobiol B</i> , 2001;63: 114-125.
	X	Davis et al., "Cellular thiols and reactive oxygen species in drug-induced apoptosis," <i>J. Pharmacol Exp Ther</i> , 2001;296: 1-6.
	X	DeZwart et al., "Biomarkers of free radical damage applications in experimental animals and in humans," <i>Free Radic Biol Med</i> , 1999; 26:202-226.
	X	Evan et al., "A matter of life and cell death," <i>Science</i> , 1998; 281: 1317-1322.
	X	Finkel et al., "Oxidants, oxidative stress and the biology of ageing," <i>Science</i> , 1998;281: 1317-1322.
	X	Friguet et al., "Protein degradation by the proteasome and its implications in aging," <i>Ann N Y Acad Sci</i> , 2000;908: 143-154.
	X	Gage et al., "Isolation, Characterization, and use of Stem Cells from the CNS," <i>Annu. Rev. Neurosci</i> , 1995;18: 159-92
	X	Gardner et al., "Development of a peptide antibody specific to human glutathione S-transferase alpha 4-4 (hGSTA4-4) reveals preferential localization in human liver mitochondria," <i>Arch Biochem Biophys</i> , 2001;390: 19-27.
	X	Hainut et al., "Redox modulation of p53 conformation and sequence-specific DNA binding in vitro," <i>Cancer Res</i> , 1993;53: 4469-4473.
	X	Han et al., "Implication of a small GTPase Rac1 in the activation of c-Jun-N-terminal kinase and heat shock factor in response to heat shock," <i>J Biol Chem</i> , 2001; 276:1889-1895.
	X	Hughes et al., "Mediation of nerve growth factor-driven cell cycle arrest in PC12 cells by p53. Simultaneous differentiation and proliferation subsequent to p53 functional inactivation," <i>J Biol Chem</i> , 2000;275: 37829-37837.
	X	Janusz et al., "Immunoregulatory properties of synthetic peptides, fragments of a proline-rich polypeptide (PRP) from ovine colostrum," <i>Molecular Immunology</i> , October 1987;24(10): 1029-1031.
	X	Keller et al., "Mitochondrial manganese superoxide dismutase prevents neural apoptosis and reduces ischemic brain injury: suppression of peroxynitrite production, lipid peroxidation, and mitochondrial dysfunction," <i>J Neurosci</i> , 1998;18: 687-697.

EXAMINER	Date Considered
-----------------	------------------------

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**INFORMATION
DISCLOSURE
STATEMENT**

Atty. Docket No.: 265.00230101

Serial No.: 09/641,801

Applicant(s): Stanton et al.

Confirmation No.: 5388

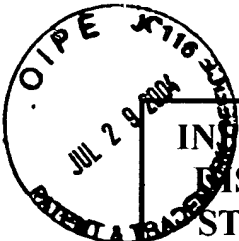
Application Filing Date: August 17, 2000

Group: 1647

Information Disclosure Statement mailed: July 28, 2004

Examiner Initial	Copy Enclosed	Document Description
	X	Kong et al., "Signal transduction events elicited by natural products: a role of MAPK and caspase pathways in homeostatic response and induction of apoptosis," <i>Arch Pharm Res</i> , 2000;23: 1-16.
	X	Kruman et al., "Evidence that 4-hydroxynonenal mediates oxidative stress-induced neuronal apoptosis," <i>J Neurosci</i> , 1997;17:5089-5100.
	X	Lafon-Cazal et al., "Nitric oxide, superoxide and peroxynitrite: putative mediators of NMDA-induced cell death in cerebellar granule cells," <i>Neuropharmacology</i> , 1993;32: 1259-1266.
	X	Leonarduzzi et al., "Lipid oxidation products in cell signaling," <i>Free Radic Biol Med</i> , 2000;28: 1370-1378.
	X	Mattson et al., "Alzheimer's disease. Short Precursor shortens memory," <i>Nature</i> , 1997;387: 457-458.
	X	Nakamura et al., "Redox regulation of cellular activation," <i>Annu Rev Immunol</i> , 1997;15: 351-369.
	X	Page et al., "4-Hydroxynonenal prevents NF-kappaB activation and tumor necrosis factor expression by inhibiting IkappaB phosphorylation and subsequent proteolysis," <i>J Biol Chem</i> , 1999;274:11611-11618.
	X	Parola et al., "HNE interacts directly with JNK isoforms in human hepatic stellate cells," <i>J Clin Invest</i> , 1998;102:1942-1950.
	X	Perkins et al., "Association of antioxidants with memory in a multiethnic elderly sample using the Third National Health and Nutrition Examination Survey," <i>Am J Epidemiol</i> , 1999;150: 37-44.
	X	Perrig et al., "The relation between antioxidants and memory performance in the old and very old," <i>J Am Geriatr Soc</i> , 1997;45: 718-724.
	X	Poli et al., "4-Hydroxynonenal in the pathomechanisms of oxidative stress," <i>IUBMB Life</i> , 2000;50: 315-321.
	X	Rivas-Arancibia et al., "Effects of ozone exposure in rats on memory and levels of brain and pulmonary superoxide dismutase," <i>Environ Res</i> , 1998;76: 33-39.
	X	Ross et al., "Atherosclerosis: a cancer of the blood vessels?," <i>Am J Clin Pathol</i> 116 Suppl, 2001:S97-107.

EXAMINER	Date Considered
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

**INFORMATION
DISCLOSURE
STATEMENT****Atty. Docket No.:** 265.00230101**Serial No.:** 09/641,801**Applicant(s):** Stanton et al.**Confirmation No.:** 5388**Application Filing Date:** August 17, 2000**Group:** 1647**Information Disclosure Statement mailed:** July 28, 2004

Examiner Initial	Copy Enclosed	Document Description
	X	Rusnak et al., "Sensing electrons: protein phosphatase redox regulation," <i>Trends Biochem Sci</i> , 2000;25: 527-529.
	X	Sano et al., "A controlled trial of selegiline, alpha-tocopherol, or both as treatment for Alzheimer's disease," <i>The Alzheimer's Disease Cooperative Study, N Engl J Med</i> , 1997;336:1216-1222.
	X	Sayre et al., "4-Hydroxynonenal-derived advanced lipid peroxidation end products are increased in Alzheimer's disease," <i>J Neurochem</i> , 1997;68: 2092-2097
	X	Senft et al., "Determining glutathione and glutathione disulfide using the fluorescence probe o-phthalaldehyde," <i>Anal Biochem</i> , 2000; 280: 80-86.
	X	Sinclair et al., "Altered plasma antioxidant status in subjects with Alzheimer's disease and vascular dementia," <i>Int J Geriatr Psychiatry</i> , 1998;13: 840-845.
	X	Uchida et al., "Modification of histidine residues in proteins by reaction with 4-hydroxynonenal," <i>Proc Natl Acad Sci USA</i> , 1992;89:4544-4548.
	X	Vaglini et al., "Cytochrome P450 and parkinsonism: protective role of CYP2E1," <i>Funct Neurol</i> , 2001;16: 107-112.
	X	Woods et al., "Regulation of p53 function," <i>Exp Cell Res</i> , 2001;264: 56-66.
	X	Yoritaka et al., "Immunohistochemical detection of 4-hydroxynonenal protein adducts in Parkinson disease," <i>Proc Natl Acad Sci USA</i> , 1996;93: 2696-2701.
	X	Zimecki et al., "Immunotropic properties of fractions isolated from human milk," <i>Arch Immunol Ther Exp</i> , 1984;32: 203-209.
	X	Zimecki et al., "The effect of a proline-rich polypeptide (PRP) on the humoral immune response. II. PRP induces differentiation of helper cells from glass-nonadherent thymocytes (NAT) and suppressor cells from glass-adherent thymocytes (GAT)," <i>Arch Immunol Ther Exp</i> , 1984;32: 197-201.
	X	Zimecki et al., "The effect of a poline-rich polypeptide (PRP) on the humoral immune response. I. Distinct effect of PRP on the T cell properties of mouse glass-nonadherent (NAT) and glass-adherent (GAT) thymocytes in thymectomized mice," <i>Arch Immunol Ther Exp</i> , 1984;32: 191-196.

EXAMINER	Date Considered
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	